	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
14	BRS	L15	12274	PIN near4 diode	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 18:40	
15	BRS	L16	198582 6	sensor or detector	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 18:40	
16	BRS	L17	5006	15 and 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 18:40	
17	BRS	L19	2321	15 same 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 18:41	

12/10/2003, EAST Version: 1.4.1

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
18	BRS	L20	85	19 same (cross-talk$4 or cross adj talk$4 or interfer$4 or smear$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 18:44	
19	BRS	L21	1867066	wafer or substrate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 18:43	
20	BRS	L22	833	19 and 21	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 18:44	
21	BRS	L23	776996	cross-talk$4 or cross adj talk$4 or interfer$4 or smear$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/10 18:44	

12/10/2003, EAST Version: 1.4.1

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
22 BRS	L24	355	22 and 23	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:44	

	Type	Hits	Search Text
1	BRS	63	(gap or space or opening) same ("cross talk" or interference or smear$4) same ("pixel sensors" or "pixel electrode")
2	BRS	108700	i-layer or intrinsic
3	BRS	21	((gap or space or opening) same ("cross talk" or interference or smear$4) same ("pixel sensors" or "pixel electrode")) and (i-layer or intrinsic)
4	BRS	3	(pixel adj3 electrode$3) same (n adj3 doped) same (p adj3 doped) same transparent
5	BRS	236	(i-layer or intrinsic) same (pixel adj electrode$3)
6	BRS	25	((i-layer or intrinsic) same (pixel adj electrode$3)) and (image adj sensor)
7	BRS	17	(((i-layer or intrinsic) same (pixel adj electrode$3)) and (image adj sensor)) and (gap or space or opening)
8	BRS	120272	(i-layer or intrinsic or (i adj layer))
9	BRS	388679	(imag$4 or light$4 or UV or ultraviolet or ultra-violet or IR or infrared) near2 (sens$4 or detect$4)
10	BRS	170	(gap$4 or spac$4 or open$6 or slit$4 or crack$4) same ((i-layer or intrinsic or (i adj layer))) same ((imag$4 or light$4 or UV or ultraviolet or ultra-violet or IR or infrared) near2 (sens$4 or detect$4))
11	BRS	10334	PIN near2 diode
12	BRS	1537971	((cross near2 talk$4) or interfer$6 or smear$6 or nois$4 or disturb$4)

	DBs
1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text
13	BRS	0	((PIN near2 diode) near8 (gap$4 or spac$4 or open$6 or slit$4 or crack$4) near8 (((cross near2 talk$4) or interfer$6 or smear$6 or nois$4 or disturb$4))) and ((imag$4 or light$4 or UV or ultraviolet or ultra-violet or IR or infrared) near2 (sens$4 or detect$4))
14	BRS	12	(p-dop$4 or (p adj dop$4)) near4 (i-dop$4 or (i adj dop$4) or intrinsic or i-layer) near4 (n-dop$4 or (n adj dop$4)) near4 diode
15	BRS	23	((PIN near2 diode) same (gap$4 or spac$4 or open$6 or slit$4 or crack$4) same (((cross near2 talk$4) or interfer$6 or smear$6 or nois$4 or disturb$4))) and ((imag$4 or light$4 or UV or ultraviolet or ultra-violet or IR or infrared) near2 (sens$4 or detect$4))
16	BRS	520886	(imag$4 or light$4 or UV or ultraviolet or ultra-violet or IR or infrared) near4 (sens$4 or detect$4)
17	BRS	6301972	gap$4 or spac$4 or open$6 or slit$4 or crack$4
18	BRS	11399	(PIN or P-I-N or PI-N or P-IN) near2 diode
19	BRS	1689	((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap$4 or spac$4 or open$6 or slit$4 or crack$4)
20	BRS	165962	photosenso$4 or photodetect$4 or (photo near2 (sens$4 or detect$4))
21	BRS	237	(((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap$4 or spac$4 or open$6 or slit$4 or crack$4)) and (photosenso$4 or photodetect$4 or (photo near2 (sens$4 or detect$4)))
22	BRS	354	(((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap$4 or spac$4 or open$6 or slit$4 or crack$4)) and ((imag$4 or light$4 or UV or ultraviolet or ultra-violet or IR or infrared) near4 (sens$4 or detect$4))

	DBs
13	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search T xt
23	BRS	49	((((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap$4 or spac$4 or open$6 or slit$4 or crack$4)) and (photosenso$4 or photodetect$4 or (photo near2 (sens$4 or detect$4)))) not ((((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap$4 or spac$4 or open$6 or slit$4 or crack$4)) and ((imag$4 or light$4 or UV or ultraviolet or ultra-violet or IR or infrared) near4 (sens$4 or detect$4)))

	DBs
23	USPAT